

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-4. Cancelled.

5. (New) A process for making an iron-based casting alloy, comprising:
precipitating eutectic chromium carbides of a first alloy system and primary carbides of a second alloy system selected from the group consisting of vanadium carbides, niobium carbides, titanium carbides and combinations thereof; and

the primary carbides being precipitated at a primary carbide liquidus of the second alloy system which has a eutectic that is maintained below an austenite liquidus of the first alloy system to prevent formation of eutectic carbides of the second alloy system.

6. (New) A process for making an iron-based casting alloy as in claim 5 wherein the eutectic chromium carbides of the first alloy system are precipitated at a eutectic thereof without forming primary chromium carbides.

7. (New) A process for making an iron-based casting alloy as in claim 5 wherein proeutectic austenite is precipitated at an austenite liquidus of the first alloy system prior to the precipitation of the eutectic chromium carbides.

8. (New) A process for making an iron-based casting alloy, comprising:
precipitating eutectic chromium carbides of a first alloy system and primary carbides of a second alloy system selected from the group consisting of vanadium carbides, niobium carbides, titanium carbides and combinations thereof;

the primary carbides being precipitated at a primary carbide liquidus of the second alloy system which has a eutectic that is maintained below an austenite liquidus of the first alloy system to prevent formation of eutectic carbides of the second alloy system;

the eutectic chromium carbides of the first alloy system being precipitated at a eutectic thereof without forming primary chromium carbides; and

proeutectic austenite being precipitated at an austenite liquidus of the first alloy system prior to the precipitation of the eutectic chromium carbides.